

Form PTO-1449 (modified)

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Atty. Docket No.  
MYOG:004USD1Serial No.  
09/558,472

List of Patents and Publications for Applicant's



Applicant

Michael Bristow et al.

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
April 25, 2000Group:  
1632

## U.S. Patent Documents

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## Foreign Patent Documents

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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
TNT	A1	5,219,727	6/15/93	Wang et al.	435	6	9/28/89
TNT	A2	5,476,774	12/19/95	Wang et al.	435	91.2	03/09/93
TNT	A3	5,580,722	12/03/96	Foulkes et al.	435	6	02/07/92

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO00/15821	03/23/00	PCT			

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
TNT	C1	Alexander et al., "Gene transfer and models of gene therapy for the myocardium," <i>Clin. Exp. Pharmacol. Physiol.</i> , 26:661-668, 1999.
	C2	Arai et al., "Alterations in sarcoplasmic reticulum gene expression in human heart failure," <i>Circulation Research</i> , 72(2):463-469, 1993.
	C3	Boluoyt et al., "Alterations in cardiac gene expression during the transition from stable hypertrophy to heart failure," <i>Circ. Res.</i> , 75:23-32, 1994.
	C4	Bouvagnet et al., "Distribution pattern of $\alpha$ and $\beta$ myosin in normal and diseased human ventricular myocardium," <i>Basic Res. Cardiol.</i> , 84:91-102, 1989.
	C5	Bristow et al., "Reduced $\beta$ 1 receptor messenger RNA abundance in the failing human heart," <i>J. Clin. Invest.</i> , 92:2737-2745, 1993.
	C6	Calovini et al., "Steroid-hormone regulation of myosin subunit expression in smooth and cardiac muscle," <i>Journal of Cellular Biology</i> , 59:69-78, 1995.
TNT	C7	Chen et al., "Regulation of human cardiac myosin heavy chain genes: the effect of catecholamine," <i>Biochemical and Biophysical Research Communications</i> , 188(2):547-553, 1992.

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<p style="text-align: center;">OCT 02 2003 U.S. PATENT &amp; TRADEMARK OFFICE</p> <p><b>List of Patents and Publications for Applicant's Information Disclosure Statement</b></p> <p>(Use several sheets if necessary)</p>			
U.S. Patent Documents <i>See Page 1</i>		Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
TNT	C8	Coffin <i>et al.</i> , "Gene delivery to the heart in vivo and to cardiac myocytes and vascular smooth muscle cells in vitro using herpes virus vectors," <i>Gene Therapy</i> , 3:560-566, 1996.
	C9	Colucci and Branwold, In: <i>Heart Disease: A Textbook of Cardiovascular Medicine</i> , (Braunwald ed., 5 <sup>th</sup> ed.), Chapter 13, 406, 1997.
	C10	Davidson <i>et al.</i> , "Cardiac gene delivery with cardiopulmonary bypass," <i>Circulation</i> , 104:131-133, 2001.
	C11	del Monte <i>et al.</i> , "Improvement in survival and cardiac metabolism after gene transfer of sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase in a rat model of heart failure," <i>Circulation</i> , 104:1424-1429, 2001.
	C12	Feldman <i>et al.</i> , "Selective gene expression in failing human heart," <i>Circulation</i> , 83(6):1866-1872, 1991.
	C13	Flink <i>et al.</i> , "Atrial and ventricular cardiac myosins contain different heavy chain species," <i>FEBS Letters</i> , 94(1):125-130, 1978.
	C14	Flink <i>et al.</i> , "Interaction of thyroid hormone receptors with strong and weak sis-acting elements in the human $\alpha$ -myosin heavy chain gene promoter," <i>Journal of Biological Chemistry</i> , 265(19):11233-11237, 1990.
	C15	Fromes <i>et al.</i> , "Gene delivery to the myocardium by intrapericardial injection," <i>Gene Therapy</i> , 12:683-688, 1999.
	C16	Gustafson <i>et al.</i> , "Thyroid hormone regulates expression of a transfected $\alpha$ -myosin heavy-chain fusion gene in fetal heart cells," <i>Proc. Natl. Acad. Sci., USA</i> , 84:3122-3126, 1987.
	C17	Hajjar <i>et al.</i> , "Modulation of ventricular function through gene transfer in vivo," <i>Proc. Natl. Acad. Sci., USA</i> , 95:5251-5256, 1998.
	C18	Hanatani <i>et al.</i> , "Inhibition by angiotensin II type 1 receptor antagonist of cardiac phenotypic modulation after myocardial infarction," <i>J. Mol. Cell Cardiol.</i> , 27:1905-1914, 1995.
	C19	Hixson <i>et al.</i> , " $\alpha$ -myosin heavy chain cDNA structure and gene expression in adult, fetal, and premature baboon myocardium," <i>J. Mol. Cell Cardiol.</i> , 21:1073-1086, 1989.
TNT	C20	Izumo <i>et al.</i> , "Myosin heavy chain messenger RNA and protein isoform transitions during cardiac hypertrophy," <i>J. Clin. Invest.</i> , 79:970-977, 1987.

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List of Patents and Publications for Applicant's INVENTION & TRADEMARK OFFICE		Applicant Michael Bristow <i>et al.</i>	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Filing Date: April 25, 2000	Group: 1632
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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
TNT	C21	Jones <i>et al.</i> , "Ablation of the murine $\alpha$ myosin heavy chain gene leads to dosage effects and functional deficits in the heart," <i>J. Clin. Invest.</i> , 98:1905-1917, 1996.
	C22	Kashani-Sabet <i>et al.</i> , "Detection of drug resistance in human tumors by in vitro enzymatic amplification," <i>Cancer Research</i> , 48:5775-5778, 1988.
	C23	Katz, "Cardiomyopathy of overload," <i>New England J. of Medicine</i> , 322(2):100-110, 1990.
	C24	Kurabayashi <i>et al.</i> , "Molecular cloning and characterization of human cardiac $\alpha$ - and $\beta$ -form myosin heavy chain complementary DNA clones," <i>J. Clin. Inves.</i> , 82:524-531, 1988.
	C25	Kurabayashi <i>et al.</i> , "The myosin gene switching in human cardiac hypertrophy," <i>Japanese Circulation Journal</i> , 54:1192-1205, 1990.
	C26	Kypson <i>et al.</i> , "Ex vivo adenovirus-mediated gene transfer to the adult rat heart," <i>J. Thorac. Surg.</i> , 115:623-630, 1998.
	C27	Ladenson <i>et al.</i> , "Reversible alterations in myocardial gene expression in a young man with dilated cardiomyopathy and hypothyroidism," <i>Proc. Natl. Acad. Sci., USA</i> , 89:5251-5255, 1992.
	C28	Lazarous <i>et al.</i> , "Adenoviral-mediated gene transfer induces sustained pericardial VEGF expression in dogs: effect on myocardial angiogenesis," <i>Cardiovasc. Res.</i> , 44:294-302, 1999.
	C29	Lee <i>et al.</i> , "Cardiac gene transfer by intracoronary infusion of adenovirus vector-mediated reporter gene in the transplanted mouse heart," <i>J. Thorac. Cardiovasc. Surg.</i> , 111:246-252, 1996.
	C30	Lenhart <i>et al.</i> , "Preservation of myocardial function after adenoviral gene transfer in isolated myocardium," <i>Am. J. Physiol. Heart Circ. Physiol.</i> , 279:H986, 2000.
	C31	Lévesque <i>et al.</i> , "Determination of changes in specific gene expression by reverse transcription PCR using interspecies mRNAs as internal standards," <i>Biotechniques</i> , 17(4):738-741, 1994.
	C32	Li <i>et al.</i> , "Efficient and long-term intracardiac gene transfer in $\delta$ -sarcoglycan-deficiency hamster by adeno-associated virus-2 vectors," <i>Gene Ther.</i> , 21:1807-1813, 2003.
	C33	Lin <i>et al.</i> , "Expression of recombinant genes in myocardium in vivo after direct injection of DNA," <i>Circulation</i> , 82:2217-2221, 1990.
TNT	C34	Lowes <i>et al.</i> , "Assessment of gene expression in endomyocardial biopsy specimens from failing and nonfailing human hearts," <i>J. Investigative Med., Abstracts</i> , 316A, 1995.

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TNT	C35	Lowes <i>et al.</i> , "Downregulation of $\alpha$ -and upregulation of $\beta$ -myosin heavy chain in intact, failing human ventricles," Abstract, American College Cardiol. 46 <sup>th</sup> Annual Scientific Session, 2/97.
	C36	Lowes <i>et al.</i> , "Changes in gene expression in the intact human heart," <i>J. Clin. Invest.</i> , 100(9):2315-2324, 1997.
	C37	Minobe <i>et al.</i> , "In vivo measurement of myocardial gene expression in the human heart," <i>JACC</i> , 277A, 1995.
	C38	Mittman <i>et al.</i> , "Analysis of gene expression patterns in small amounts of human ventricular myocardium by a multiplex Rnase protection assay," <i>J. Mol. Med.</i> , 76:133-140, 1998.
	C39	Morkin <i>et al.</i> , "Regulation of human cardiac myosin heavy chain gene expression by thyroid hormone," <i>Cellular and Molecular Mechanisms in Hypertension</i> , 143-147, 1991.
	C40	Morkin <i>et al.</i> , "Regulation of myosin heavy chain genes in the heart," <i>Circulation</i> , 87(5):1451-1460, 1993.
	C41	Morkin <i>et al.</i> , "Biochemical and physiologic effects of thyroid hormone on cardiac performance," <i>Progress in Cardiovascular Disease</i> , 25(5):435-464, 1983.
	C42	Morkin <i>et al.</i> , "Replacement of myosin during development of cardiac hypertrophy," <i>Supplement III to Circulation Research</i> , 34 & 35:111-50-111-57, 1974.
	C43	Nagai <i>et al.</i> , "Myosin isozyme synthesis and mRNA levels in pressure-overload rabbit hearts," <i>Circulation Research</i> , 60:692-699, 1987.
	C44	Nakao <i>et al.</i> , "Alpha myosin heavy chain gene expression in non-failing and end-stage failing human left ventricles," <i>J. Clin. Invest.</i> , 100(9):2362-2370, , 1997.
	C45	O'Donnell <i>et al.</i> , "Tight control of exogenous SERCA expression is required to obtain acceleration of calcium transients with minimal cytotoxic effects in cardiac myocytes," <i>Circ. Res.</i> , 88:415-421, 2001.
	C46	Pachucki <i>et al.</i> , "Type 2 iodothyronine deiodinase transgene expression in the mouse heart causes cardiac-specific thyrotoxicosis," <i>Endocrinology</i> , 142:13, 2001.
	C47	Pennock <i>et al.</i> , "Cardiac effects of 3,5-diiodothyropionic acid, a thyroid hormone analog with inotropic selectivity," <i>Journal of Pharmacology and Experimental Therapeutics</i> , 263(1):163-169, 1992.
TNT	C48	Rench <i>et al.</i> , "Adolescents and health heart living," <i>Fla Nurse.</i> , 49(3):16, 2001.

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**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

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TNT	C49	Schroder <i>et al.</i> , "Immune response after adenoviral gene transfer in syngeneic heart transplants: effects of anti-CD4 monoclonal antibody therapy," <i>Transplantation</i> , 70:191-198, 2000.
	C50	Shinmura <i>et al.</i> , "Catheter-Delivered in vivo gene transfer into rat myocardium using the fusigenic liposomal mediated method," <i>Japan Heart J.</i> , 41:633, 2000.
	C51	Silva <i>et al.</i> , "Reduced cardiac hypertrophy and altered blood pressure control in transgenic rats with the human tissue kallikrein gene," <i>FASEB</i> , 14:1858, 2000.
	C52	Stratford-Perricaudet <i>et al.</i> , "Widespread long-term gene transfer to mouse skeletal muscles and heart," <i>J. Clin. Invest.</i> , 90:626-630, 1992.
	C53	Tsika <i>et al.</i> , "Thyroid hormone regulates expression of a transfected human $\alpha$ -myosin heavy-chain fusion gene in fetal rat heart cells," <i>Proc. Natl. Acad. Sci., USA</i> , 87:379-383, 1990.
	C54	Umeda <i>et al.</i> , "Control of myosin heavy chain expression in cardiac hypertrophy," <i>Am. J. Cardiol.</i> , 59:49A-55A, 1987.
	C55	Umeda <i>et al.</i> , "Sequences of the rabbit beta myosin heavy chain promoter produce a condition of chronic heart failure in transgene mice," <i>Circulation, Suppl.</i> , 84(8): 1408, Abtract 2378, 1996.
	C56	von Harsdorf <i>et al.</i> , "Gene injection into canine myocardium as a useful model for studying gene expression in the heart of large mammals," <i>Circ. Res.</i> , 72:688-695, 1993.
	C57	Vrana <i>et al.</i> , "Application of quantitative RT-PCR to the analysis of dopamine receptor mRNA levels in rat striatum," <i>Molecular Brain Research</i> , 34:127-134, 1995.
	C58	Wang <i>et al.</i> , "Quantitation of mRNA by the polymerase chain reaction," <i>Proc. Natl. Acad. Sci., USA</i> , 86:9717-9721, 1989.
	C59	Wickenden <i>et al.</i> , "Targeted expression of a dominant-negative K(v)4.2 K(+) channel subunit in the mouse heart," <i>Circ. Res.</i> , 85:1067, 1999.
TNT	C60	Yue <i>et al.</i> , "Microdystrophin Gene Therapy of Cardiomyopathy Restores Dystrophin-Glycoprotein Complex and Improves Sarcolemma Integrity in the Mdx Mouse Heart," <i>Circulation</i> , 2003.

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